

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) In a computing environment, a method comprising:
receiving a request for information about a Web service ~~receiving a request for~~
~~taxonomy-related information with respect to Web services,~~ the request including data
corresponding to an origin node within a taxonomy related to the Web ~~services~~ service, and data
indicating that an expanded result set is desired, and data indicating a specified genealogical
relationship with the origin node;
 providing, based on the received request for information about the Web service, at least
one query for taxonomy-related data with respect to the Web ~~services~~ service, the taxonomy-
related data corresponding to at least one node ~~that is~~ having the specified genealogical relationship
with genealogically-related ~~to the origin node;~~
 receiving the taxonomy-related data based on the at least one query; and
 returning a the expanded result set ~~that includes~~ including the taxonomy-related data in
response to the request.
2. (Original) The method of claim 1 further comprising, interpreting the request to
determine that the request seeks data from at least one ancestor node of the origin node.
3. (Original) The method of claim 2 wherein an ancestor node corresponds to a direct
parent node of the origin node.
4. (Original) The method of claim 2 wherein the request includes a value corresponding to
one or more generations of ancestor nodes from which data is being sought.
5. (Original) The method of claim 1 further comprising, interpreting the request to
determine that the request seeks data from at least one descendant node of the origin node.
6. (Previously Presented) The method of claim 5 wherein a descendant node corresponds to

at least one immediate child node of the origin node.

7. (Original) The method of claim 5 wherein the request includes a value corresponding to one or more generations of descendant nodes from which data is being sought.

8. (Original) The method of claim 1 further comprising, interpreting the request to determine that the request seeks data from at least one sibling node of the origin node.

9. (Original) The method of claim 1 further comprising, interpreting the request to determine that the request seeks data from at least one ancestor node relative to the origin node, at least one descendant node relative to the origin node, and at least one sibling node relative to the origin node.

10. (Original) The method of claim 9 wherein the request includes a value corresponding to one or more generations of ancestor nodes from which data is being sought.

11. (Original) The method of claim 9 wherein the request includes a value corresponding to one or more generations of descendant nodes from which data is being sought.

12. (Currently Amended) The method of claim 1 wherein the request comprises an XML message, and wherein returning a the expanded result set ~~that includes including~~ the taxonomy-related data further comprises formatting the response as an XML message.

13. (Currently Amended) The method of claim 1 wherein the taxonomy-related information corresponds to a taxonomy maintained at a UDDI server.

14. (Currently Amended) The method of claim 1 wherein the taxonomy-related information corresponds to a taxonomy having device information maintained therein.

15. (Currently Amended) At least one computer-readable storage medium having computer-

executable instructions for performing the method of claim 1.

16. (Currently Amended) In a computing environment, a method comprising:
receiving a first request for information about a Web service, the first request including data corresponding to an origin node within a taxonomy related to the Web service, and data indicating a specified genealogical relationship with the origin node;

constructing, based on the received first request, a at least one second request for taxonomy data related to the Web services service, the at least one second request including data corresponding to an origin node within a taxonomy related to the Web services and data indicating that the at least one second request seeks data from with respect to one or more specific nodes that have a the specified genealogical relationship with the origin node;

communicating the second request to a server; and

receiving a response including data corresponding to at least one node the one or more specific nodes that has have the specified genealogical relationship with the origin node.

17. (Currently Amended) The method of claim 16 wherein a the specified genealogical relationship with the origin node comprises an ancestor relationship.

18. (Currently Amended) The method of claim 17, wherein further comprising, specifying in the first request includes a number indicating a number of generations of ancestors for which corresponding data is sought.

19. (Currently Amended) The method of claim 16 wherein a the specified genealogical relationship with the origin node comprises a descendant relationship.

20. (Currently Amended) The method of claim 19, wherein further comprising, specifying in the first request includes a number indicating a number of generations of descendants for which corresponding data is sought.

21. (Currently Amended) The method of claim 16 wherein a the specified genealogical

relationship with the origin node comprises a sibling relationship.

22. (Currently Amended) The method of claim 16 wherein a the specified genealogical relationship with the origin node comprises a family relationship.

23. (Currently Amended) The method of claim 16 wherein ~~constructing a~~ the first request for taxonomy data ~~comprises constructing~~ includes an XML message.

24. (Currently Amended) The method of claim 23 wherein communicating the second request to a server comprises sending the XML message to a UDDI server.

25. (Currently Amended) The method of claim 16 wherein communicating the second request to a server comprises sending a message seeking device information.

26. (Previously Presented) At least one computer-readable storage medium having computer-executable instructions for performing the method of claim 16.

27. (Currently Amended) In a computing environment, a system comprising:
a client, the client including an application program that sends a request for taxonomy-related data with respect to a Web services service, the request including data corresponding to an origin node in a taxonomy and information indicating at least one specified genealogical relationship with the origin node;

expansion logic that receives the request from the client and converts the request to seek taxonomy-related data with respect to the Web ~~services~~ service from each node having a one of the at least one specified genealogical relationship with the origin node ~~that matches a genealogical relationship indicated in the request~~; and

a database that maintains taxonomy data, the database coupled to the expansion logic to receive at least one taxonomy-related request corresponding to the client request, and in response to each request, to locate data including at least some of the taxonomy-related data requested by the client.

28. (Currently Amended) The system of claim 27 wherein the information indicating the at least one specified genealogical relationship specifies that taxonomy-related data is being sought from at least one ancestor node.

29. (Currently Amended) The system of claim 27 wherein the information indicating the at least one specified genealogical relationship specifies that taxonomy-related data is being sought from at least one descendant node.

30. (Currently Amended) The system of claim 27 wherein the information indicating the at least one specified genealogical relationship specifies that taxonomy-related data is being sought from at least one sibling node.

31. (Original) The system of claim 27 wherein the taxonomy-related request from the client comprises an XML message.

32. (Original) The system of claim 27 wherein the database is coupled to the expansion logic via a server.

33. (Original) The system of claim 27 wherein the database is accessed through a server, and wherein the expansion logic is incorporated in a middle tier between the client and the server.

34. (Original) The system of claim 27 wherein the client provides the request to the server by calling an application programming interface, the application programming interface formatting the request as a message for communicating with the server.

35-39. (Canceled)

40. (Currently Amended) In a computing environment, a method comprising:

receiving a request for taxonomy-related information with respect to a plurality of computing resources, the request including data corresponding to an origin node within a taxonomy, ~~and data indicating a desire for an expanded result set, and data indicating a specified relationship with the origin node;~~

providing, based on the received request for taxonomy-related information, at least one query for taxonomy-related data with respect to the plurality of computing resources, the taxonomy-related data corresponding to at least one node ~~hierarchically related to~~ having the specified relationship with the origin node;

receiving the taxonomy-related data based on the at least one query; and

returning a the expanded result set ~~that includes~~ including the taxonomy-related data in response to the request.

41. (Currently Amended) The method of claim 40, wherein:

the request comprises an XML message, and

returning a the expanded result set ~~that includes~~ including the taxonomy-related data further comprises formatting the response as an XML message.